

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/001755

A. CLASSIFICATION OF SUBJECT MATTER

A61K49/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 514 379 A (WEISSLEDER ET AL) 7 May 1996 (1996-05-07) example 9	1,3-5, 7-13, 15-17
X	US 6 423 296 B1 (GUNTHER WOLFGANG ET AL) 23 July 2002 (2002-07-23) column 16	1-5, 7-13, 15-17
X	US 5 427 767 A (KRESSE ET AL) 27 June 1995 (1995-06-27) column 5, line 10 - column 8, line 55	14
X	WO 03/005029 A (GOVERNORS OF THE UNIVERSITY OF ALBERTA; XU, ZHENGHE; GU, YUNLI) 16 January 2003 (2003-01-16) page 14 - page 17	1-5,7-17
	-/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

* Special categories of cited documents :

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

26 January 2006

Date of mailing of the international search report

07/02/2006

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

ESTANOL, I

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US2005/001755

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 03/101425 A (ALINIS BIOSCIENCES, INC; BARRY, STEPHEN, E; GOODWIN, ANDREW, A; DECOR,) 11 December 2003 (2003-12-11) examples 1-39	1-17
Y	FR 2 841 156 A (BIO MERIEUX) 26 December 2003 (2003-12-26) page 16; claims 1-27	1-17
P,X	US 2004/115433 A1 (ELAISSARI ABDELHAMID ET AL) 17 June 2004 (2004-06-17) example 9	1-5, 7-13, 15-17
E	US 6 866 838 B1 (MONDAIN-MONVAL OLIVIER ET AL) 15 March 2005 (2005-03-15) claims 1-18; example 4	1-5, 7-13, 15-17
E	WO 2005/065724 A (ALNIS BIOSCIENCES, INC; BARRY, STEPHEN, E; STEIERT, MATTHIAS; GOODWIN,) 21 July 2005 (2005-07-21) claims 1-19	1-17
P,A	LANZA G M ET AL: "Magnetic resonance molecular imaging with nanoparticles" JOURNAL OF NUCLEAR CARDIOLOGY, MOSBY, ST. LOUIS, MO, US, vol. 11, no. 6, November 2004 (2004-11), pages 733-743, XP004673066 ISSN: 1071-3581 the whole document	1-13, 15-17

INTERNATIONAL SEARCH REPORT

national application No.
PCT/US2005/001755

Box II Observations where certain claims were found unsearchable (Continuation of Item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 13, 15-17 are directed to a method of treatment and/or a diagnostic method of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of Item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/001755

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5514379	A	07-05-1996	WO 9403155 A1	17-02-1994
US 6423296	B1	23-07-2002	AT 291439 T	15-04-2005
			AU 716667 B2	02-03-2000
			AU 1390497 A	01-08-1997
			CA 2242647 A1	17-07-1997
			CN 1212629 A	31-03-1999
			CZ 9802194 A3	16-12-1998
			DE 69732831 D1	28-04-2005
			EA 1336 B1	26-02-2001
			EP 0877630 A2	18-11-1998
			ES 2239349 T3	16-09-2005
			WO 9725073 A2	17-07-1997
			HU 9901192 A2	30-08-1999
			IL 125150 A	19-03-2001
			JP 2000504300 T	11-04-2000
			NO 983060 A	07-09-1998
			NZ 325403 A	28-02-2000
			PL 327679 A1	21-12-1998
US 5427767	A	27-06-1995	AT 156021 T	15-08-1997
			AU 653220 B2	22-09-1994
			AU 1618492 A	03-12-1992
			CA 2068632 A1	29-11-1992
			DE 4117782 A1	03-12-1992
			DK 516252 T3	25-08-1997
			EP 0516252 A2	02-12-1992
			ES 2106134 T3	01-11-1997
			GR 3024898 T3	30-01-1998
			IE 921595 A1	02-12-1992
			IL 101929 A	26-08-1994
			JP 3306810 B2	24-07-2002
			JP 7122410 A	12-05-1995
			NO 921767 A	30-11-1992
			NZ 242669 A	28-08-1995
			ZA 9203299 A	30-12-1992
WO 03005029	A	16-01-2003	NONE	
WO 03101425	A	11-12-2003	AU 2003273272 A1	19-12-2003
			CA 2487720 A1	11-12-2003
			EP 1531868 A2	25-05-2005
			JP 2005535604 T	24-11-2005
FR 2841156	A	26-12-2003	AU 2003260611 A1	06-01-2004
			WO 2004001414 A1	31-12-2003
US 2004115433	A1	17-06-2004	CA 2445824 A1	06-01-2003
			EP 1397429 A1	17-03-2004
			FR 2824563 A1	15-11-2002
			WO 03004559 A1	16-01-2003
			JP 2004533530 T	04-11-2004
US 6866838	B1	15-03-2005	AT 266201 T	15-05-2004
			AU 1288201 A	14-05-2001
			CA 2390077 A1	10-05-2001
			DE 60010500 D1	09-06-2004
			DE 60010500 T2	12-05-2005

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US2005/001755

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 6866838	B1	EP 1226438 A1	31-07-2002
		ES 2220560 T3	16-12-2004
		WO 0133223 A1	10-05-2001
		FR 2800635 A1	11-05-2001
		JP 2003513093 T	08-04-2003
WO 2005065724	A	21-07-2005	NONE